Technical Data

GOLDEN®
CLUTCHES | BRAKES | PLATES

Selection table

Electromagnetic Clutches (GPSDC & GPSMC)

Size	MK 1)	nmax	P20 oC	Operating times 2)			
	[Nm]	[min-1]	[W]	(ms)			
				t_{11}	t_{12}	t_1	t_2
01	7.5	8000	15	15	30	45	10
02	15	6000	20	20	55	75	15
03	30	5000	28	25	85	110	25
06	60	4000	35	35	105	140	40
10	120	3000	50	45	125	170	50
20	240	3000	68	60	140	200	60
40	480	2000	85	75	155	230	70

Electromagnetic Brakes (GPSDB)

Size	MK 1)	nmax	P20 oC	Operating times 2)			
	[Nm]	[min-1]	[W]	(ms)			
				t_{11}	t_{12}	t_1	t_2
01	7.5	8000	11.5	10	20	35	10
02	15	6000	16	15	25	40	20
03	30	5000	21	20	40	60	30
06	60	4000	28	25	55	80	45
10	120	3000	38	30	70	100	60
20	240	3000	45	35	80	115	70
40	480	2000	70	40	90	130	80

| 1) In relation to relative speed n = 100 rpm

| 2) Mean values for DC switching with rated air gap and warm coil.

| Standard voltage 24 V +5%/-10% to VDE 0580

| Temperature class B (130*C)

| t11 = Delay time when connecting

| t12 = Rise time of braking torque

| t1 = Engagement time

| t2 = D15 engagement time

Dimension Data

Electromagnetic Brakes
GP.SDB Series

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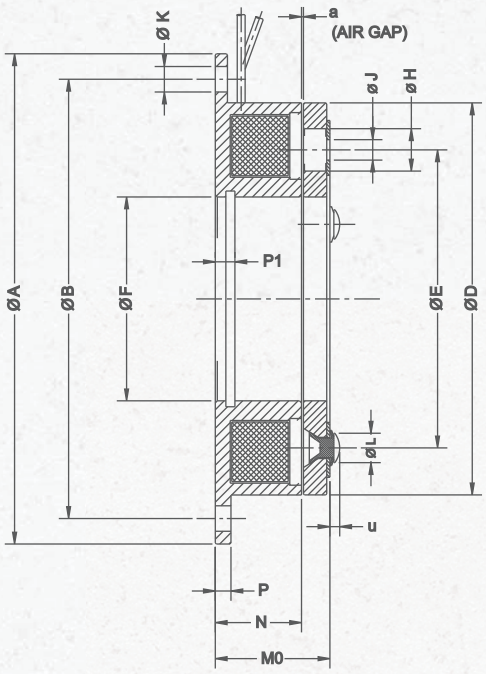
GP.SDB Series
Design 1



Size		01	02	03	06	10	20	40	60
Torque in NM		8	15	30	60	120	240	480	625
Max. Speed (min -1)		7,000	6,000	5,000	4,000	3,000	2,500	2,000	1,500
Input Power(at 20*C) (W)		11	16	21	27	37	46	60	80
DIMENSIONS	ØAh9	80	100	125	150	190	230	290	355
	ØB	72	90	112	137	175	215	270	335
	ØD	63	80	100	125	160	200	250	320
	ØE	46	60	76	95	120	158	210	250
	ØFH8	35	42	52	62	80	100	125	160
	ØH	6.3	8	10.5	12	16.5	18	22	28
	ØJ	3 X 3.1	3 X 4.1	3 X 5.1	3 X 6.1	3 X 8.2	3 X 10.2	4 X 12.2	4 X 16.2
	ØK	4 X 4.5	4 X 4.5	4 X 6.6	4 X 6.6	4 X 9	4 X 9	4 X 11	8 X 12.0
	ØL	3 X 5.5	3 X 7	3 X 8	3 X 10	3 X 13	3 X 16	4 X 20	4 X 26.0
	M_0	22	24.5	29	31	35	41.4	47.9	60.0
	N	18	20	22	24	26	30	35	44
	P	2	3	4	4	4	5	6	6
	P_1	3.5	4.3	5	5.5	6	7.5	8	9
	U	1.6	1.8	2.4	3	3.2	4.8	4.3	6.0
	a	0.2	0.2	0.2	0.3	0.3	0.5	0.5	0.5
	Weight (kg)	0.3	0.52	1.0	1.75	3.3	5.9	11.0	
	Voltage = 24/96/110/190 - Requests for any other Voltage								

Dimension Data

Electromagnetic Brakes
GP.SDB Series

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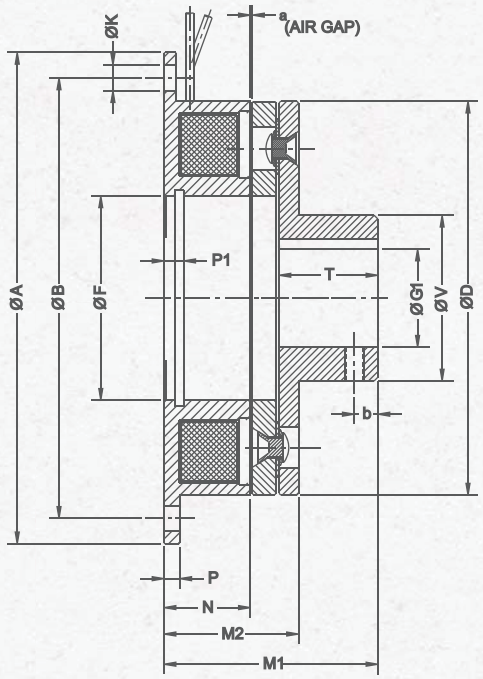
GP.SDB Series
Design 2



Size		01	02	03	06	10	20	40	60
Torque in NM		8	15	30	60	120	240	480	625
Max. Speed (min -1)		7,000	6,000	5,000	4,000	3,000	2,500	2,000	1,500
Input Power(at 20*C) (W)		11	16	21	27	37	46	60	80
DIMENSIONS	ØAh9	80	100	125	150	190	230	290	355
	ØB	72	90	112	137	175	215	270	335
	ØD	63	80	100	125	160	200	250	320
	ØFH8	35	42	52	62	80	100	125	160
	ØK	4 X 4.5	4 X 4.5	4 X 6.6	4 X 6.6	4 X 9	4 X 9	4 X 11	8 X 12.0
	M_1	37	44.5	54	61	73	89.4	102.9	125.0
	M_2	25.5	28.5	34	37	42.5	50.4	58.9	72.0
	N	18	20	22	24	26	30	35	44
	P	2	3	4	4	4	5	6	6
	P_1	3.5	4.3	5	5.5	6	7.5	8	9
	T	15	20	25	30	38	48	55	64
	ØV	28	33	43	50	66	84	106	135
	a	0.2	0.2	0.2	0.3	0.3	0.5	0.5	0.5
	b	5	6	6	10	10	15	20	20
	Max bore ØG 1^{H7}	17	20	30	35	40	60	80	100
	Weight (kg)	0.33	0.6	1.2	2.1	3.5	7.1	12.8	
	Voltage = 24/96/110/190 - Requests for any other Voltage								

Dimension Data

Electromagnetic Brakes
GP.SDB Series

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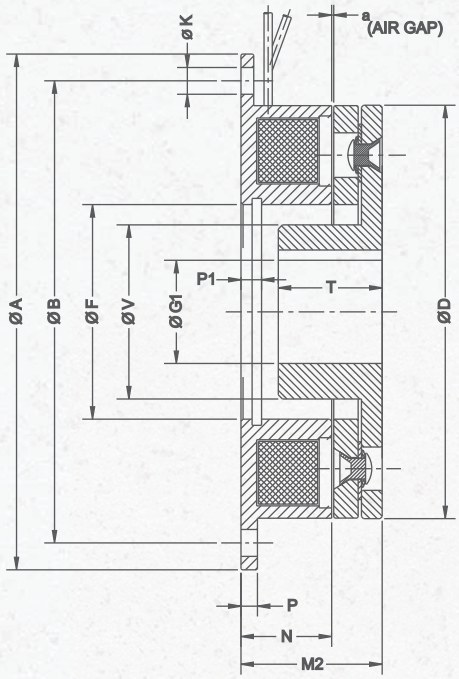
GP.SDB Series
Design 3



Size		01	02	03	06	10	20	40	60
Torque in NM		8	15	30	60	120	240	480	625
Max. Speed (min -1)		7,000	6,000	5,000	4,000	3,000	2,500	2,000	1,500
Input Power(at 20*C) (W)		11	16	21	27	37	46	60	80
DIMENSIONS	ØAh9	80	100	125	150	190	230	290	355
	ØB	72	90	112	137	175	215	270	335
	ØD	63	80	100	125	160	200	250	320
	ØFH8	35	42	52	62	80	100	125	160
	ØK	4 X 4.5	4 X 4.5	4 X 6.6	4 X 6.6	4 X 9	4 X 9	4 X 11	8 X 12.0
	M_2	25.5	28.5	34	37	42.5	50.4	58.9	72.0
	N	18	20	22	24	26	30	35	44
	P	2	3	4	4	4	5	6	6
	P_1	3.5	4.3	5	5.5	6	7.5	8	9
	T	15	20	25	30	38	48	55	64
	ØV	28	33	43	50	66	84	106	135
	a	0.2	0.2	0.2	0.3	0.3	0.5	0.5	0.5
	Max bore ØG 1^{H7}	17	20	30	35	40	60	80	100
	Weight (kg)	0.33	0.6	1.2	2.1	3.5	7.1	12.8	
	Voltage = 24/96/110/190 - Requests for any other Voltage								